

A B S T R A C T

Screw cap tightener apparatus comprising a
turntable, a spindle mounted on the turntable to rotate
5 relative thereto, a screw cap gripper head secured to the
spindle, drive means to rotate the spindle by exerting an
off-center drive force on the spindle, means for engaging
a portion of the spindle that is stationary in rotation
to detect a force applied in reaction to the drive force,
10 and means for stopping tightening, said means being
connected to the detector means to stop tightening when
the force applied in reaction exceeds a predetermined
threshold.